

Rakshit Agrawal

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EDUCATION

Stevens Institute of Technology – Hoboken, NJ, USA

Sept 2024 - June 2026

Master of Science in Cybersecurity | GPA: 3.9

Coursework: Operating System, Advance Data structures and Algorithms, Discrete Mathematics, Forensic Analysis

Kalinga Institute of Industrial Technology – Bhubaneswar, Orisha, India

June 2019 - Mar 2023

Bachelor of Engineering in Computer Science • CGPA 9.60/10.0 • Merit Scholar

EXPERIENCE

Habilelabs Pvt. Ltd. • *Associate Software Developer* – Jaipur, Rajasthan, India

June 2023 – July 2024

- Spearheaded end-to-end delivery of features and modules on live projects, ensuring seamless integration and functionality, which reduced deployment time by 25%
- Conducted thorough analysis to assess scalability and atomicity, ensuring solutions were robust and increasing the efficiency by 30%
- Crafted dynamic configurators to support complex systems and edge cases, enhancing system adaptability
- Designed and optimized database schemas to support efficient data storage and retrieval. Reduced the unnecessary tables saving 50% of redundant data while fetching the records
- Mentored and coached interns, facilitating smooth onboarding and knowledge transfer
- Leveraged advanced technologies like ReactJS and Node.js libraries to accelerate development and deployed shell scripting for automated and timely production releases on more than 8 servers located PAN India

Big Data BizViz Technologies Pvt. Ltd. • *UI Developer* – Bangalore, Karnataka, India

Dec 2022 – June 2023

- Developed dynamic pipelining systems using Angular framework, ensuring scalability and flexibility in data processing, supporting 30% increased data throughput
- Collaborated in deployment and testing phases to guarantee robust application performance and reliability, achieving almost 99% application uptime
- Analyzed business requirements and enhanced UI/UX designs to deliver cost-effective, and scalable solutions, 25% reduced operational costs and 50% increased user satisfaction ratings
- Implemented solutions for running Machine Learning models on client systems, significantly reducing upfront container cost by 50%.

HighRadius Corporation • *Full-Stack Developer* – Bhubaneswar, Orisha, India

Feb 2022 – Sept 2022

- Contributed to feature development and bug fixes using ReactJS and Java Spring Boot, ensuring high quality, scalable code
- Managed code repositories and facilitated collaboration using GitLab for version control and continuous integration
- Developed user dashboards with visualizations to effectively present and analyze key performance metrics
- Adapted to Agile methodologies and actively participated in iterative development cycles, improving team productivity and project outcomes

PROJECTS

AI-Enabled Bank Utils Dashboard

Dec 2021 – Feb 2022

- Engineered a dashboard with interactive graphs and analytical tools, enabling data selection, validation, and CRUD operations for streamlined data management
- Implemented predictive analytics using historical data and hyper-parameters, providing actionable insights that then can be used in data science models
- Utilized ReactJS for the front-end and Java Servlets for back-end functionality to ensure seamless user experience and efficient data handling
- Trained and deployed an XGBoost machine learning model to enhance prediction accuracy and decision making

Attendance Portal

Oct 2021 – Nov 2021

- Reduced faculty attendance time by 95% by implementing optimized solution to automate attendance-taking process
- Provided insight on proxy and false attendance through comprehensive statistical analysis, improving overall accuracy and reliability
- Engineered the system using core data structures and algorithms to ensure efficiency and scalability
- Designed and developed the UI/UX, database schema, and real-time insights, tailored to faculty needs based on feedbacks
- Led testing and implementation, refining the system based on user feedback and delivering a fully functional solution in just 1 week
- Successfully deployed the portal for all faculty members during the lockdown, improving online class management and saving significant instructional time

COURSEWORK

Security in Additive Manufacturing - NYU Tandon School

Jun 2022 - July 2022

LINKS

[LinkedIn](#) • [Github](#) • [Certifications](#)

TECHNICAL SKILLS

Languages: C/C++ • JavaScript • TypeScript • Python

Frameworks: Express.js • Angular

Libraries: ReactJS • React Router • Redux

Database: SQL • PostgreSQL • NoSQL • MongoDB

Version Control: Git • GitLab